

Converting Colors

`RYB(15, 215, 255)`

Have a look what the booklet for
RYB(15, 215, 255) contains.

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Color

`RYB(15, 215, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	0FFF3F
RGB	15, 255, 63
RGB Percent	6%, 100%, 25%
CMY	0.9412, 0.0000, 0.7529
CMYK	0.94, 0.00, 0.75, 0.00
HSL	132°, 100%, 53%
HSV	132°, 94%, 100%
XYZ	36.8542, 71.9804, 16.6538
YIQ	161.3520, -81.4080, -110.5920

Conversions

Conversions Part 2

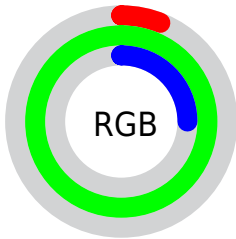
Format	Color
RYB	15, 215, 255
Decimal	1048383
CIELab	87.96, -83.50, 72.28
CIELCh	88, 110.438, 139.118
Yxy	71.9804, 0.2937, 0.5736
Android (android.graphics.Color)	4279238463 (0xFF0FFF3F)
YUV	161.3520, -48.4875, -128.3507
Hunter-Lab	84.8413, -70.9336, 47.7506

Details

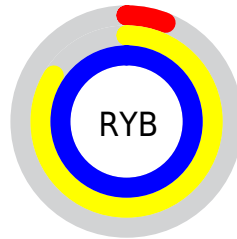
The RYB color **15, 215, 255** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **255, 15, 207**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **121, 253, 255**, and **0, 196, 196** is the 20% darker color. If you saturate the color by 10%, you get **0, 213, 255**, and if you desaturate by 10%, it is **41, 220, 255**.

Distribution



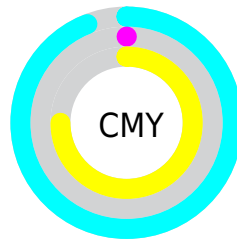
- Red (6%)
- Green (100%)
- Blue (25%)



- Red (6%)
- Yellow (84%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



















- Cyan (94%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 15, 215, 255 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 15, 215, 255 by changing the saturation by 10% instead.

 15, 215, 255	 15, 215, 255
255, 255, 255	 0, 203, 225
 121, 253, 255	 0, 196, 196
 151, 255, 250	 0, 168, 168
 180, 255, 246	 0, 140, 140
 210, 255, 243	 0, 113, 113
 239, 255, 240	 0, 86, 86
	 0, 61, 61
	 0, 35, 35
	 0, 0, 0

 15, 215, 255

 15, 215, 255

 0, 213, 255

 41, 220, 255

 66, 223, 255

 92, 228, 255

 117, 232, 255

 143, 237, 255

 168, 241, 255

 194, 245, 255

 219, 249, 255

 245, 253, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 236, 34



15, 215, 255



0, 151, 255

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15, 215, 255



0, 125, 255



255, 99, 159

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15, 215, 255



255, 15, 207

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 99, 255



15, 215, 255



106, 167, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15, 215, 255



0, 128, 255



255, 156, 255



255, 245, 56

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 215, 255



0, 129, 255



255, 156, 255



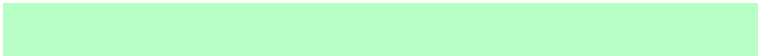
255, 89, 193

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15, 215, 255



184, 243, 255



15, 255, 63



84, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15, 215, 255



0, 213, 255



15, 156, 255



115, 126, 128



0, 159, 191



0, 53, 64

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



255, 15, 207



255, 0, 204



255, 15, 87



128, 115, 125



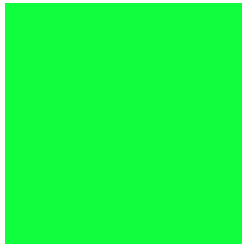
191, 0, 153



64, 0, 51

Previews

White Background



This preview shows how the RYB color 15, 215, 255 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 15, 215, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

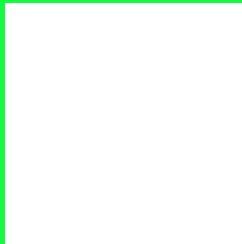
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 15, 215, 255 Background



This preview shows how black text looks on a background with the RGB color 15, 215, 255.

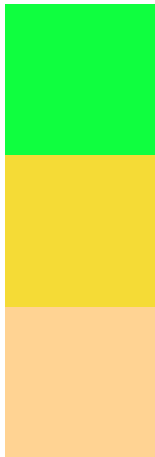


This preview shows how white text looks on a background with the RGB color 15, 215, 255.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

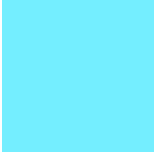
Dichromacy



Original Color
15, 215, 255

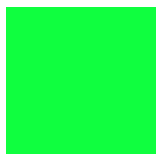
Protanopia
84, 245, 54

Deuteranopia
221, 255, 147



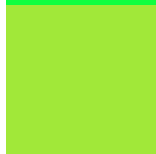
Tritanopia
116, 181, 255

Trichromacy



Original Color

15, 215, 255



Protanomaly

57, 232, 128



Deuteranomaly

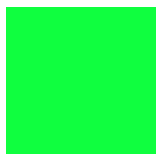
116, 227, 175



Tritanomaly

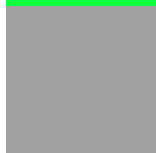
79, 179, 244

Monochromacy



Original Color

15, 215, 255



Achromatopsia

161, 161, 161



Achromatomaly

108, 181, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 15, 215, 255 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(15, 255, 63)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 63)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(15, 255, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 63) }
```

Border

The CSS property to change the border of an element to RYB 15, 215, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(15, 255, 63) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(15, 255, 63) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(15, 255, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 63);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
63) }
```

Background

The CSS property to change the background color of an element to RYB 15, 215, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 63) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(15, 255,  
63) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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